NETBOX User's Manual

Trademark:

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Version:

User's Manual V1.0 for NETBOX.

Symbol description:

Caution : refers to important information that can help you to use NETBOX better, and tells you how to avoid problems.

WEEE:

The use of this symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased this product.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

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All images are for reference only, please refer to the physical product for specific features.

Safety Notice :

Before using this product, please read the below safety notice carefully, this will help to extend the product's lifecycle, and work normally.

- When NETBOX is working, please make sure its ventilation system is working.
- The power adapter is dissipating heat during normal use, please be sure not to cover it and keep it away from your body to prevent discomfort or injury by heat exposure.
- Please use the power adapter that comes with the product's package, wrong power adapter may damage your device.
- Make sure all the peripherals are properly connected before using NETBOX.
- This product should only be used in an environment with ambient temperatures between 0˚C and 40˚C.
- To reduce the risk of fire, use only No. 26 AWG or larger UL listed or CSA certified telecommunication line cord.
- Always shut down the computer before installing or uninstalling the peripheral which does not support hot plug.
- Disconnect all peripherals before servicing or disassembling this equipment.
- Please do not disassemble this product by yourself, any disassembly not approved by the original manufacturer may result in malfunction, and void warranty.
- Risk of explosion if battery is replaced by an incorrect type, please dispose of used batteries according to the instructions.

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The NETBOX is a compact and easy to use desktop. It features all the desktop capabilities but with a slim body design which enables your to browse the internet in a relax and comfortable way.

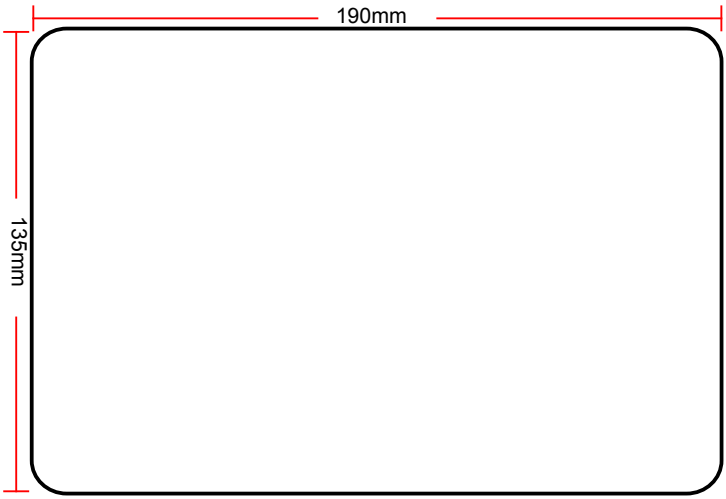
This chapter introduces NETBOX's outlook :

- Top View
- Front Side View
- Back Side View
- Bottom View
- LED Indicator Introduction

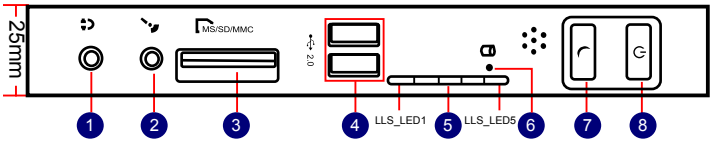
Introduction

NETBOX features all the desktop capabilities but with a slim body design which enables you to browse the internet in a relaxable and comfortable way.

1-1 Top View

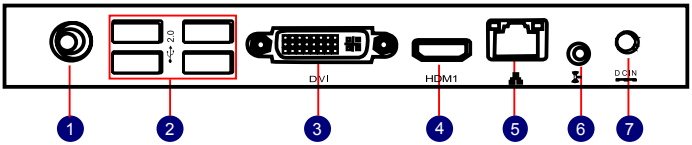


1-2 Front Side View



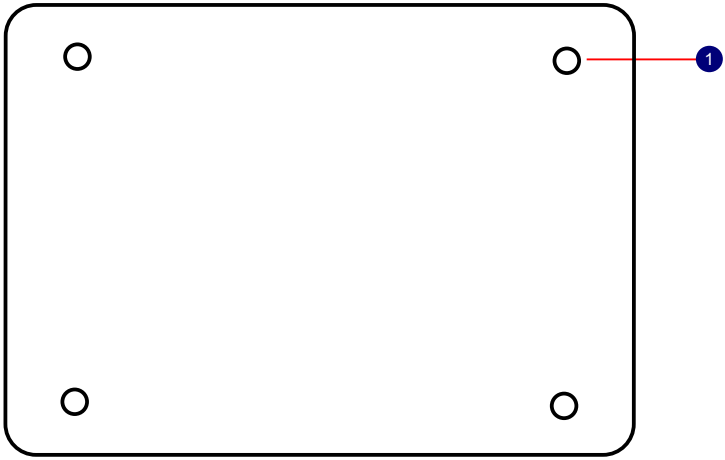
No.	Name	Description
1	Headphone Port	Connects to a headphone
2	Microphone In and S/PDIF In Port	Connects to a microphone or playback devices with optical connectors(3.5mm jack)
3	Multi-Function Card Reader	Support SD/SDHC/MS/MS Pro/MMC memory cards
4	USB Ports	Connect to USB devices
5	LLS_LED	Indicate different system state
6	HDD_LED	Indicates hard disk states
7	Suspend Button	Enter suspend mode in operating system
8	Power Button with Integrated LED Indicator	Turning the power on/off, Indicates system states

1-3 Back Side View



No.	Name	Description
1	RF(Radio Frequency) Port	Connects to antenna
2	USB Ports	Connects to USB devices
3	Display Output Port	Connects to display device
4	HDMI Port	Connects to HDMI audio and video
5	Network Port	Standard RJ-45 network port
6	Line Out and S/PDIF Out Port	Connects to powered analog speakers or recording devices with optical connectors(3.5mm jack)
7	Power Input Port	Connects to the power adapter

1-4 Bottom View



No.	Name	Description
1	Sheet Metal	NETDVD(optional accessary) or Magnet-Metal-Feet can magnetize them to seat firmly

CAUTION

There are four Magnet-Metal-Feet in the package. Just align them to the sheet metal on the bottom, then they can magnetize the NETBOX easily. The feet can seat and protect NETBOX when it is placed on the tabletop.

1-5 LED Indicator Introduction

Indication	Power_ LED	HDD_ LED	LLS_ LED1	LLS_ LED2	LLS_ LED3	LLS_ LED4	LLS_ LED5
S0(Working Mode)	Green	-	Off	Off	Off	Off	Off
S1(Power-Saving Mode)	Green	Off	Off	Off	Off	Off	Off
S3(Standby Mode)	Red	Off	Off	Off	Off	Off	Off
S4(Hibernation Mode) &S5(System Power Off Mode)	Red	Off	Off	Off	Off	Off	Off
CPU Initialization Error	-	-	Blue, Blink	-	-	-	-
DRAM Error	-	-	-	Blue, Blink	-	-	-
BIOS Boot Block Fail	-	-	-	-	-	Blue, Blink	-
BIOS Checksum Error	-	-	-	-	-	-	Blue, Blink
CMOS Cleared	Red, Blink	-	-	-	-	-	-
HDD R/W Data	-	Red	-	-	-	-	-

The LLS_LEDs status in this table only show BIOS error message.

In this chapter, the placement and the connection of some necessary peripherals will be introduced.

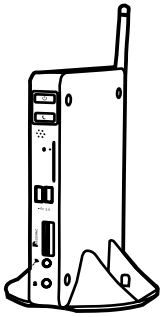
This chapter includes the following information:

- Placement of NETBOX
- Connection of NETBOX

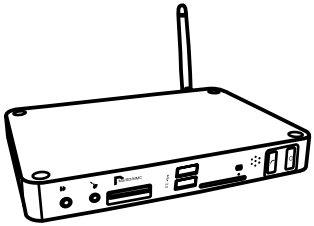
2-1 Placement of NETBOX

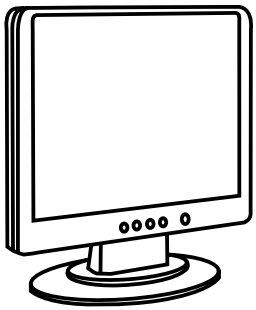
1. On the Desk

   1. You can install your NETBOX in the mount like the right image.



2. If there is enough space on your desk, you can simply put your NETBOX on the tabletop as shown below.

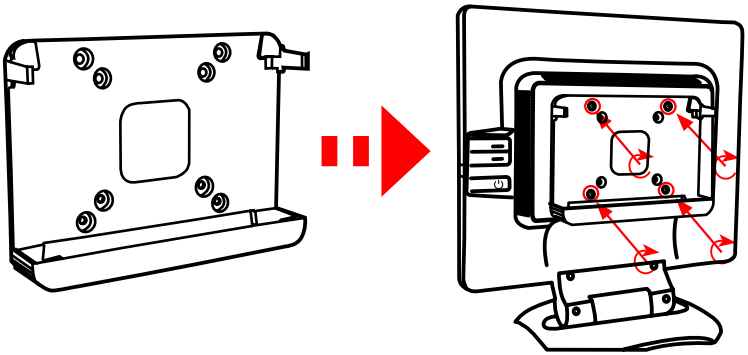




2. On the Display Back

   This is the best space-saving way.

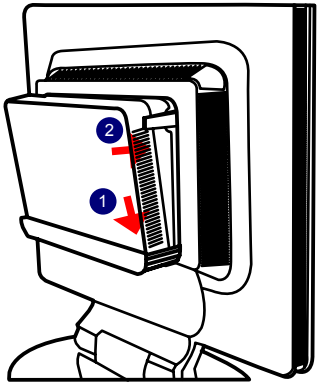
   1. Use four screws to fasten the bracket onto the display back.



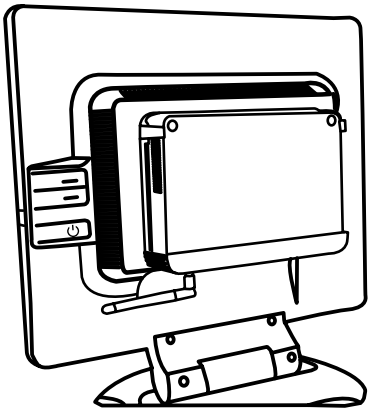
CAUTION

To install this bracket, your display must follow VESA75/VESA100 standard. The two groups of holes on your dispaly have different space between, and they help you easily fasten the bracket onto your display.

2. Fit the NETBOX into the bracket with power button locating at the top for easy touch.



3. After that, you can connect the antenna to your NETBOX.



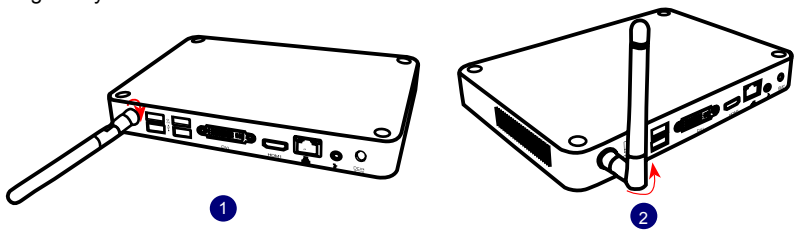
CAUTION

Remove the antenna and lift up the NETBOX straightly to take it out.

2-2 Connection of NETBOX

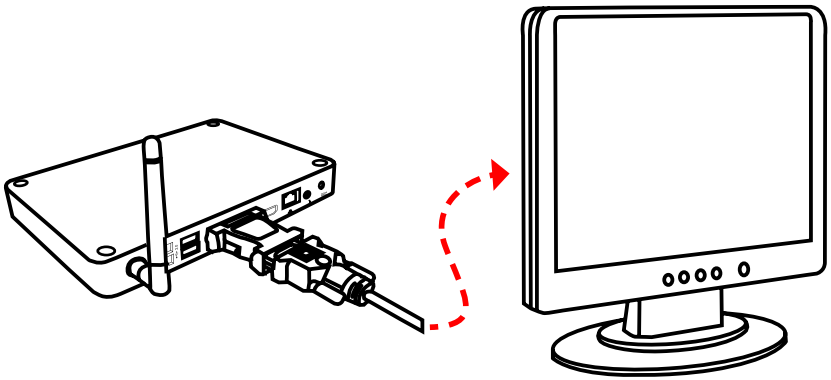
1. Connect the Antenna

Connect the antenna to the RF port of the NETBOX. You can fold the antenna and rotate it in different angle as you want.



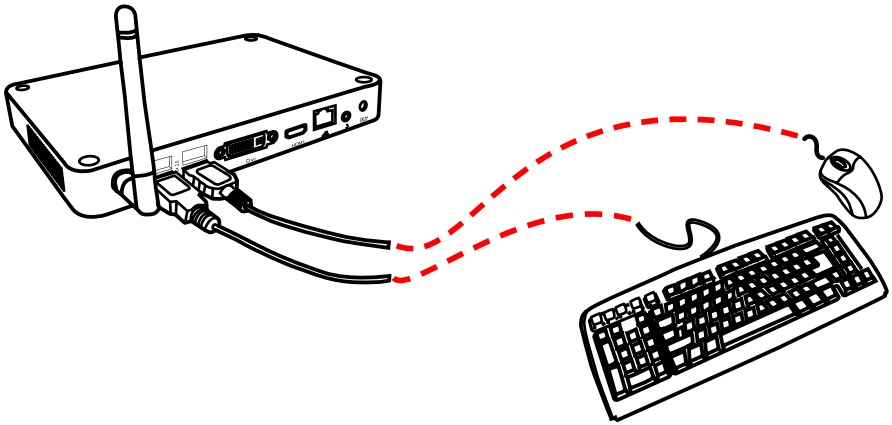
2. Connect the Monitor

Connect a monitor to the NETBOX through DVI connector.



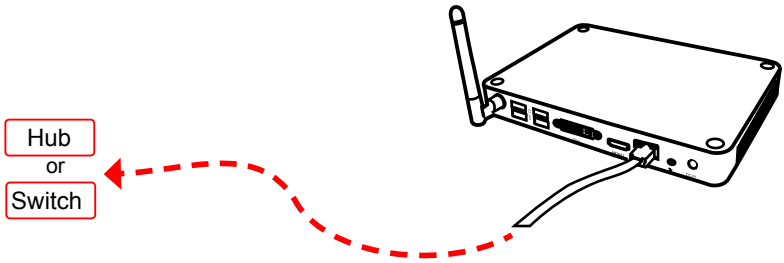
3. Connect the USB Devices

Connect USB devices to the USB ports of the NETBOX, for example, mouse and keyboard.



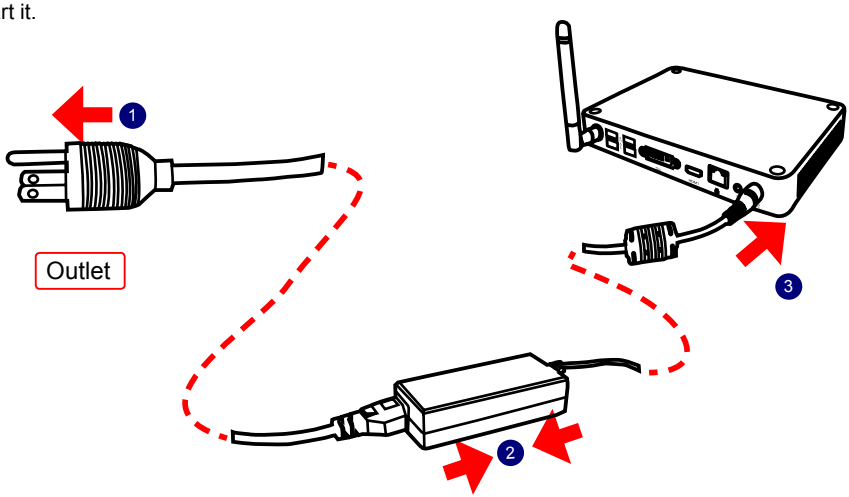
4. Connect the Network Cable

Connect LAN cable to the RJ-45 port, with the other end connected to a hub or switch.



5. Connect the Power Cord

Connect the power adapter to the power input port of the NETBOX, and push the power button to start it.



CAUTION

The power adapter is dissipating heat during normal use, please make sure not to cover it and keep it away from your body to prevent discomfort or injury from heat exposure.

This chapter introduces the Windows installation :

- Install Windows XP
- Install Drivers in Windows XP

Make sure you have these ready :

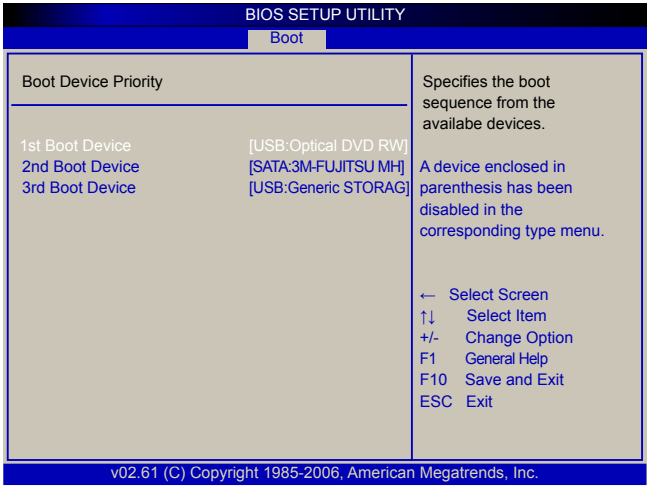
1. NETDVD. (It is an optional accessory. If there is no NETDVD in this package, you need other purchase an external USB DVD-ROM drive.)
2. NETBOX driver CD. (In this package)
3. Windows XP Install CD. (Other purchase)

Before we continue :

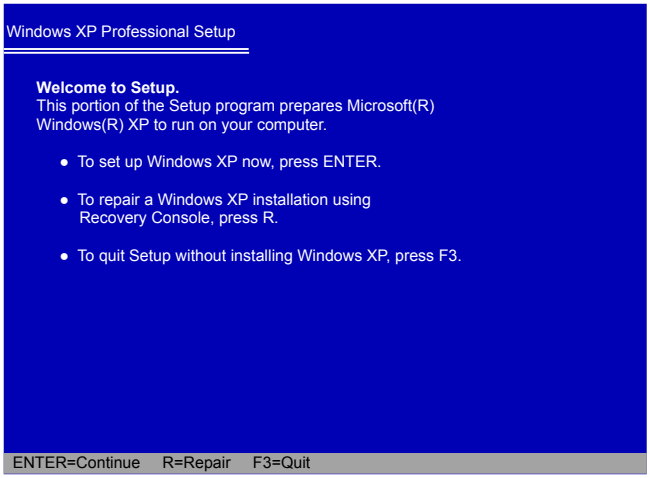
- Your NETBOX power is off.
- Connect the NETDVD or USB DVD-ROM drive to one USB port of NETBOX and power it on.

3-1 Install Windows XP

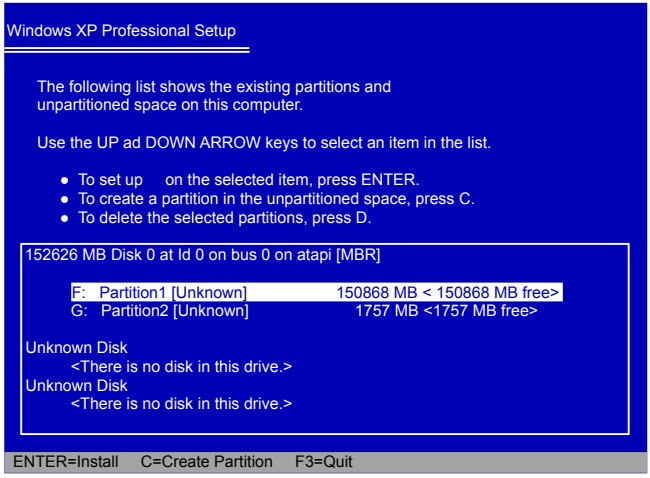
1. Push power on button to turn on your computer, then press <F2> key to enter BIOS Setup.
2. Put the Windows XP Install CD into the USB DVD-ROM drive.
3. Select and go to the “Boot” menu, enter “Boot Device Priority”, set the “1st Boot Device” to “USB: Optical DVD RW”, press <F10> key to save change and exit BIOS.


BIOS SETUP UTILITY
Boot
Boot Device Priority
1st Boot Device [USB:Optical DVD RW]
2nd Boot Device [SATA:3M-FUJITSU MH]
3rd Boot Device [USB:Generic STORAG]
Specifies the boot sequence from the availabe devices.
A device enclosed in parenthesis has been disabled in the corresponding type menu.
← Select Screen
↑↓ Select Item
+/- Change Option
F1 General Help
F10 Save and Exit
ESC Exit
v02.61 (C) Copyright 1985-2006, American Megatrends, Inc.

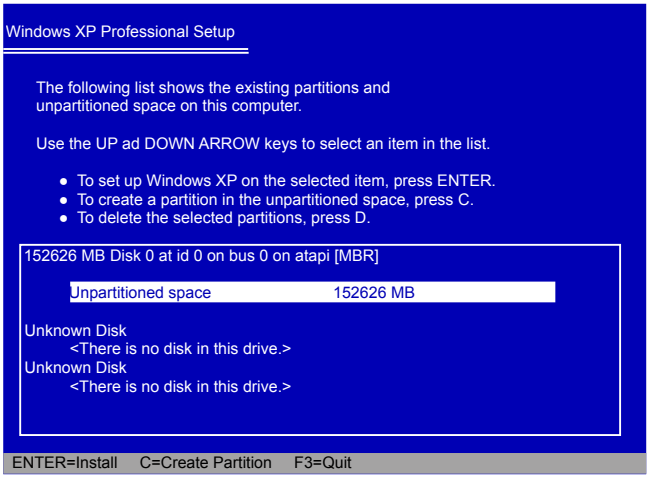
4. The computer will reboot, and it will start installing Windows XP Operating System.



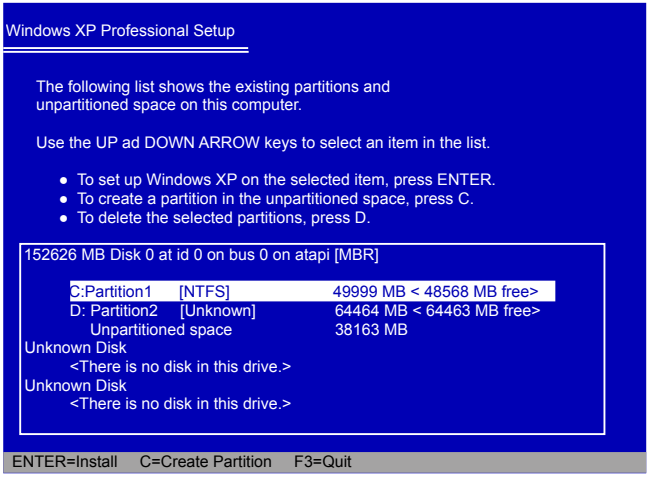
5. Press <ENTER> key to continue the installation.
6. Press <F8> key to accept the Licensing Agreement and continue.
7. Windows will display the hard disk partitions (160GB, in this example) of your system. If previously there were other systems (such as Linux) installed, you may need to press [D] key to delete them. When all partitions are clean, Setup will display the biggest size of your hard drive as depicted in step 8.



8. In this biggest hard disk size screen, you can press [C] to create partitions as you wish, assign them C:, D: or E: logical drive names.



9. In this example, we are creating a 50GB partition C: for the system. Press <Enter> to install Windows. The Windows XP install processes will ask you to format your hard disk, then copy files...etc. Follow the installation steps until the whole process is completed.



3-2 Install Drivers in Windows XP

1. When the Windows XP is completely installed, you have to install the necessary drivers before using the NETBOX. Take out the Windows XP Install CD from the USB DVD-ROM drive, and put the NETBOX driver CD inside.
2. Waiting for a few seconds, the main menu will be displayed on the screen.

3. Use these options to install all the drivers for your system. You must click "Intel Chipset Driver" to install it first. After that, you can click "One Click Setup" to install all the other drivers, or you can click on each individual driver to install it manually.
4. After all the drivers are installed, you need to restart your NETBOX, then you can start using it.

FoxOS is a newly developed Linux Operating System. If it was purchased and pre-installed by factory, the first time you start your computer, the computer will automatically launch "First Boot". This chapter will guide you through the setup and registration processes. Besides this, we will introduce the desktop features, Internet Connection and operation system recovery method.

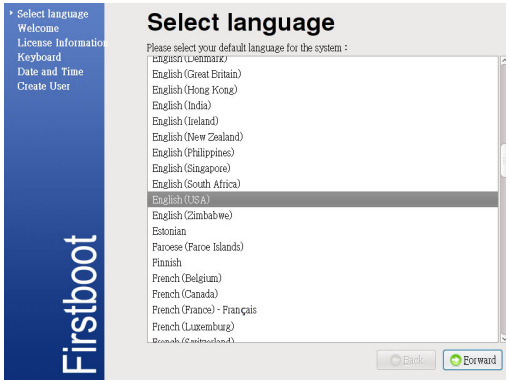
This chapter includes the following information:

- First Boot
- Desktop
- Internet Connection
- “Help” Introduction
- Recover FoxOS 3.0 Home

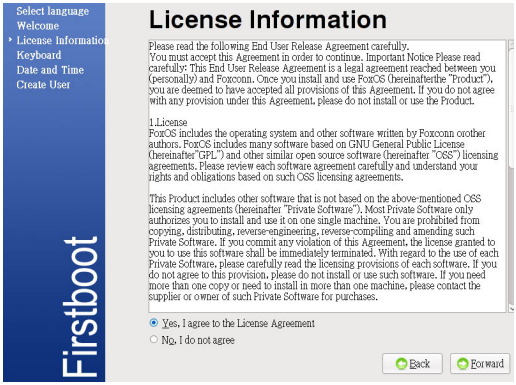
4-1 First Boot

For the first time, when you start NETBOX with FoxOS, the computer will automatically launch "First Boot". This section will guide you through the setup and registration processes. Please follow below steps to complete the setup.

1. Select the language and click “Forward” to continue.

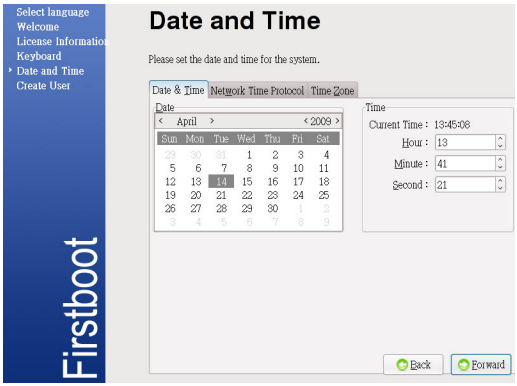


2. Browse the [Welcome] page and click “Forward” to the next, then select “Yes” and click “Forward”.

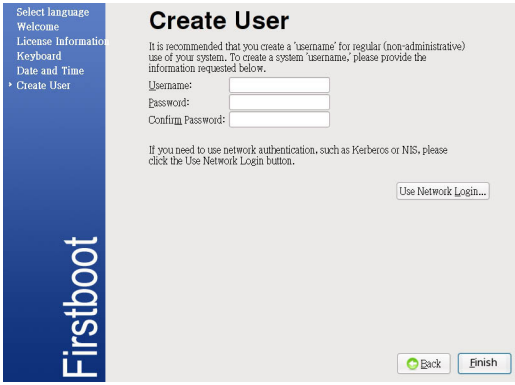

Select language
Welcome
License Information
Keyboard
Date and Time
Create User
Firstboot
License Information
Please read the following End User Release Agreement carefully.
You must accept this Agreement in order to continue. Important Notice Please read carefully: This End User Release Agreement is a legal agreement reached between you (personally) and Foxconn. Once you install and use FoxOS (hereinafterthe "Product"), you are deemed to have accepted all provisions of this Agreement. If you do not agree with any provision under this Agreement, please do not install or use the Product.
1.License
FoxOS includes the operating system and other software written by Foxconn orother authors. FoxOS includes many software based on GNU General Public License (hereinafter"GPL") and other similar open source software (hereinafter "OSS") licensing agreements. Please review each software agreement carefully and understand your rights and obligations based on such OSS licensing agreements.
This Product includes other software that is not based on the above-mentioned OSS licensing agreements (hereinafter "Private Software"). Most Private Software only authorizes you to install and use it on one single machine. You are prohibited from copying, distributing, reverse-engineering, reverse-compiling and amending such Private Software. If you commit any violation of this Agreement, the license granted to you to use this software shall be immediately terminated. With regard to the use of each Private Software, please carefully read the licensing provisions of each software. If you do not agree to this provision, please do not install or use such software. If you need more than one copy or need to install in more than one machine, please contact the supplier or owner of such Private Software for purchases.
Yes, I agree to the License Agreement
No, I do not agree
Back
Forward

3. Select a keyboard, and click “Forward” to continue.

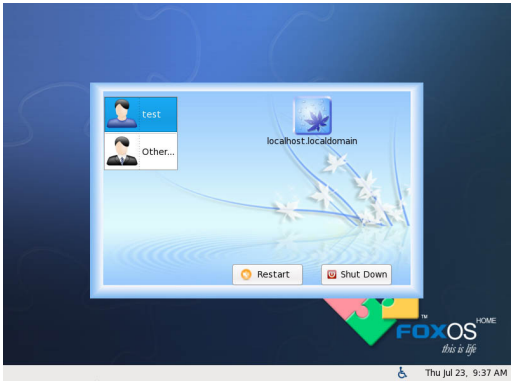
4. Select Date and Time, then click “Forward” to continue.



5. Input the “Username” and “Password”, then click “Finish” to complete the setup. This “Password” will be used as the initial root password.


Select language
Welcome
License Information
Keyboard
Date and Time
Create User
Firstboot
Create User
It is recommended that you create a 'username' for regular (non-administrative) use of your system. To create a system 'username,' please provide the information requested below.
Username:
Password:
Confirm Password:
If you need to use network authentication, such as Kerberos or NIS, please click the Use Network Login button.
Use Network Login...
Back
Finish

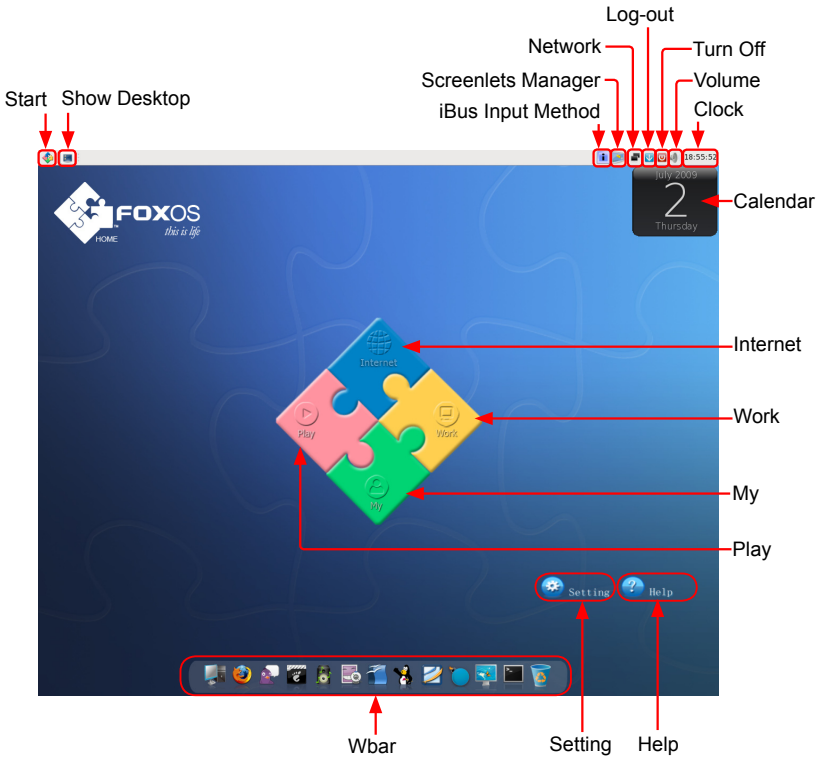
6. The system will come out the login screen, select the user and input the password to login.



4-2 Desktop

1. Desktop Overview

When you login the NETBOX FoxOS system, the screen will display the FoxTop desktop:



Start: Open program menu.
Show Desktop: Back to the desktop/recover the minimized windows.
iBus Input Method: Select a input method. Here it shows the iBus input method.
Screenlets Manager: Double click this icon to start Screenlets Manager.
Network: Shows network connection status.
Log-out: Log out the system.
Turn-off: Turn off the computer.
Volume: Adjusts volume.
Clock: Shows/adjusts the system time.
Calendar: A calendar on the desktop. You can double click it to make configuration.
Internet: Just move the mouse to “Internet” Icon, it’s sub-menu will appear.
Work: Just move the mouse to “Work” Icon, it’s sub-menu will appear.
My: Just move the mouse to “My” Icon, it’s sub-menu will appear.
Play: Just move the mouse to “Play” Icon, it’s sub-menu will appear.
Help: Click it to get the introduction of FoxOS 3.0 Home. You can get more detailed information here.
Setting: Click it to set the system configuration, such as volume, smart installer, mouse settings...etc.

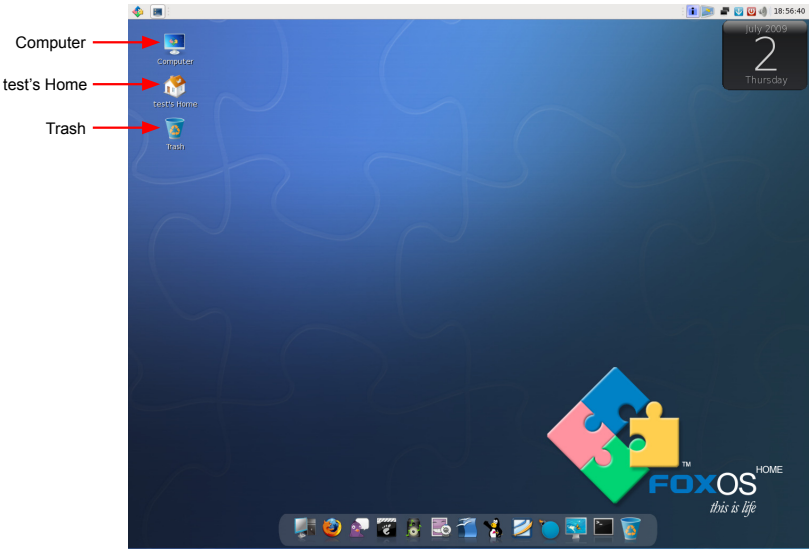
Wbar: Click the logo on the Wbar to launch the corresponding application, including the Firefox browser. Besides this, right click on the Wbar can refresh it's background.

CAUTION

If a USB DVD drive or hard disk is connected in the system, there will be an icon on the desktop and the system tray.

2. Switch to gnome Desktop

Right click on the FoxTop desktop and select "Switch to gnome Desktop". The screen will change as below picture.



Computer: On the desktop, double-click "Computer" will bring out a list of devices inside the NETBOX (including HDD, USB drive). You can access each device individually by clicking it.
Test's Home: "test's Home" is used to store user's personal documents, video or music files.
Trash: Deleted files are temporarily stored in the "Trash". If you mistakenly deleted a file, you can restore it from the "Trash".

4-3 Internet Connection

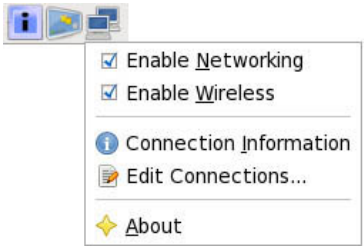
1. Wired Network Connection Setup

The wired network is enabled by default. When you login system and connect a RJ-45 LAN cable, system will connect the wired network automatically. There will be a network connectable icon in the top right corner of your screen.

If the network is unconnected, you can setup it easily by the following steps:

1.1. Make sure to open your router and connect the RJ-45 LAN cable.

1.2. Right-click the network icon, and select “Enable Networking”. Then the network is established.



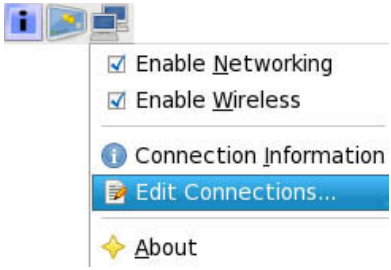
1.3. If the network icon still show “Disconnected”, you may click on the network icon and select the “System eth0” to refresh it.

CAUTION

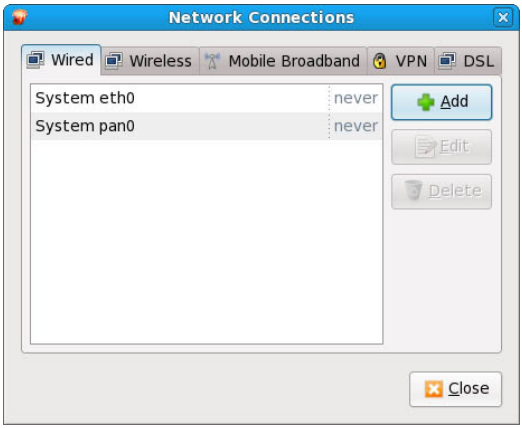
If you want to disconnect the network, just to remove the selection of “Enable NetWorking” in step 2.

2. Create a new wired network

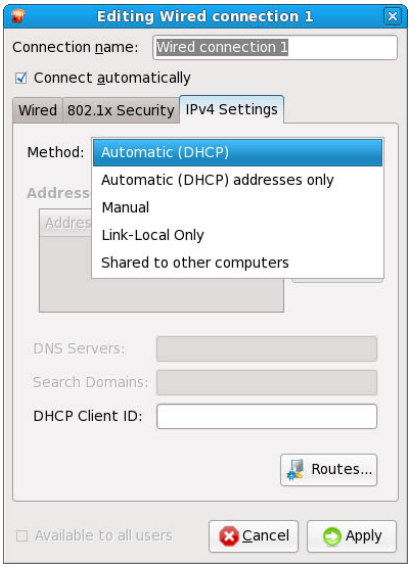
2.1. Right-click the network icon, choose “Edit Connections”.



2.2. Left-click “Wired” -> ”Add” to create a new wired connection.



2.3. Choose the method of connecting.



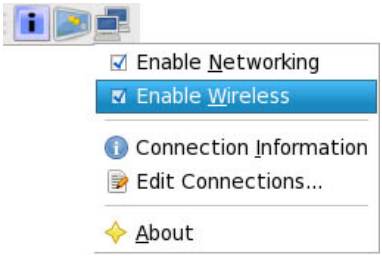
CAUTION

When the operation system is in Suspension(S3) or Hibernation(S4) status, the network will be disconnected. You can re-connect the network manually. In some extremely rare cases the network connection can not be reestablished when Suspension(S3) or Hibernation(S4) is complete, then you need reboot the system.

3. Wireless Network Connection Setup

The wireless network is enabled by default. If your space is covered by the wireless network signal, your NETBOX will search the available wireless networks automatically, then click the network icon to connect it manually. Usually, it needs you to input a password to connect the wireless network. You can get the password from telecommunication business hall.

If your wireless network is disabled, you can enable it easily by the following step:
Right click the network icon and select “Enable Wireless” to connect the wireless network.



CAUTION

Remove the selection of “Enable NetWorking” will disconnect with the wireless network.

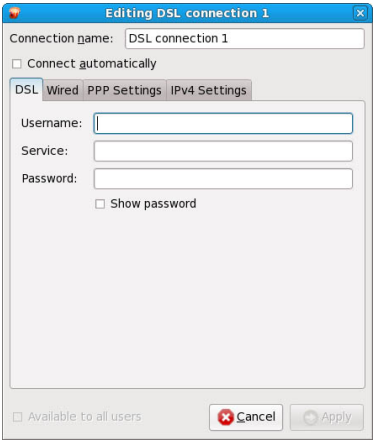
4. Connect to hidden wireless network

4.1. Right-click the network icon and select “Connect to Hidden Wireless Network”.

4.2. Input the “Network Name” and select “Wireless security”, then click “Connect”.

5. DSL Connection Setup

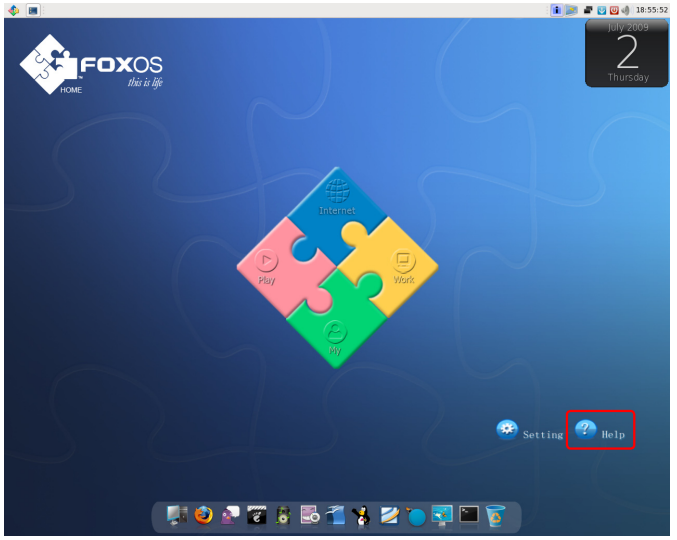
5.1. Right-click the network icon, and choose “Edit Connect” -> ”DSL” -> Add”. Input User name and Password. Click “Apply” to create a DSL connection.



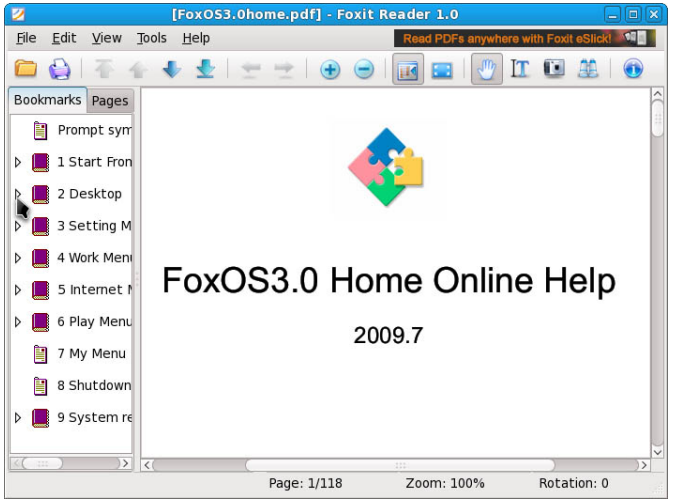
5.2. Click the ”DSL connection 1” to connect to the network.

4-4 “Help” Introduction

The "Help" icon on the desktop provides you with detailed and systemic introduction about FoxOS 3.0 home.



Just click the "Help" icon on the desktop, system will open a PDF file.



In this file, we introduce almost all the configurations and applications come with the FoxOS 3.0 Home. It includes how to install, remove or recover the operating system. Besides this, it also contains detail introductions about the "Main Desktop", "Setting", "Work", "Internet", "play", "My" etc.

4-5 Recover FoxOS 3.0 Home

This section will introduce you two ways to recover the FoxOS 3.0 Home. One is to recover from a recovery disk (USB or DVD), another is to recover from the hard disk.

1. Recover system from a USB or DVD disk

First we need to create a recovery USB or DVD, then use it to recover the FoxOS 3.0 system. In fact, there is a DVD disk in the package. Except installing drivers, it also can be used to recover FoxOS 3.0 Home directly.

1.1. Create a Recovery USB or DVD disk

1.1.1. Select "Start Menu"-> "System tools"-> "Recovery Manager" to start the "FoxOS Recovery USB&DVD Maker" and click "Next" to start.

1.1.2. Select the disk type you want to create and click "Next" to continue.

1.1.3. Connect the USB flash disk to your computer or insert a DVD disk into the DVD driver. When the system recognize the device, select it and click "Next". Then it starts to copy system files, modify documents and create a USB or DVD recovery disk. This process will take a long time, please wait patiently. (The following picture uses DVD as the example.)

CAUTION

- The USB flash disk or the DVD disk will be formatted. Make sure to make a copy for it before creating the recovery disk.
- The USB flash disk must be "vfat" format and no less than 3GB.
- The DVD must be "DVD-R/DVD-RW" format and no less than 3GB.

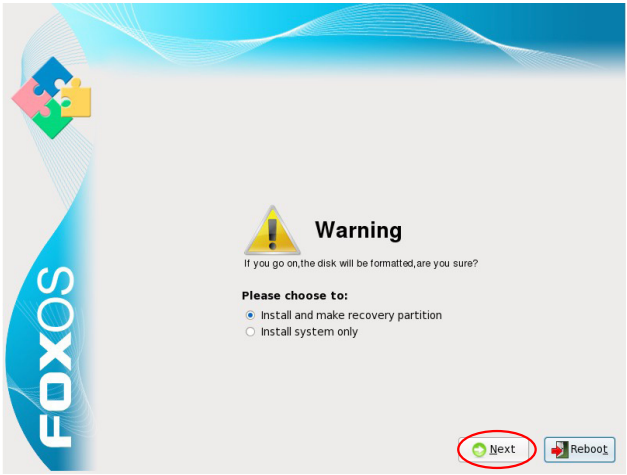
During making a recovery DVD, system will create an iso file first. When the file is created, click "Next" to continue. Creating a recovery USB is without this step.

1.1.4. When the recovery USB or DVD disk is created, system will remind you. Click “OK” to finish the process. Now you have got a recovery USB or DVD disk.

1.2. System Recovery from the USB or DVD disk

1.2.1. Power on the computer, connect the recovery USB or insert the recovery DVD into DVD driver. When the prompt message appears on the screen, press “F11” to enter Boot Menu and set USB(Removable Device) or DVD as the first boot device. Computer will continue to boot up.

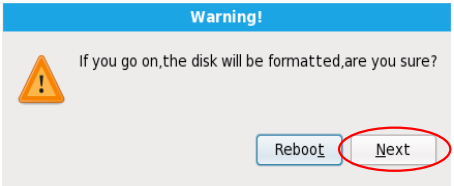
1.2.2. When the following picture shows, select "Install and make recovery partition" and click “Next” to install system and make a recovery partition in the hard disk. This recovery partition will provide “ A key to Resume” function which is very convenient for users. If you select "Install system only", there will be no “ A key to Resume” function.



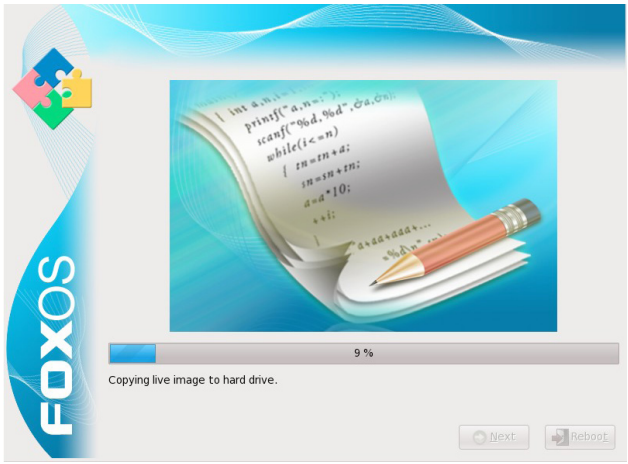
CAUTION

- Usually the recovery partition will occupy about 5GB of the hard disk.

1.2.3. A warning message will show as below. Click "Next" to continue.



1.2.4. It starts to format hard disk and install system.

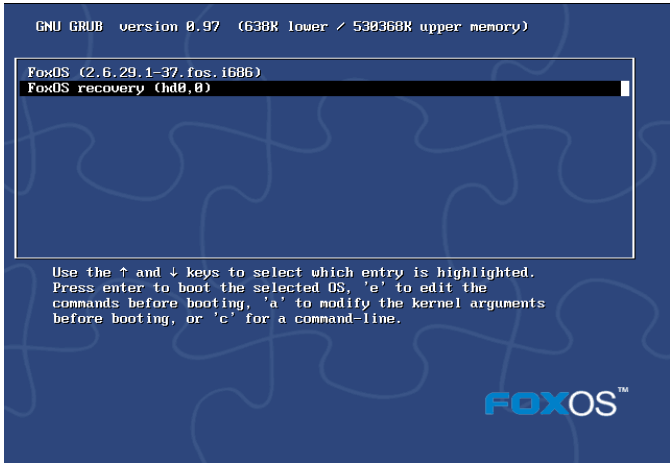


1.2.5. When the installation is complete, click "Reboot" to restart the system.

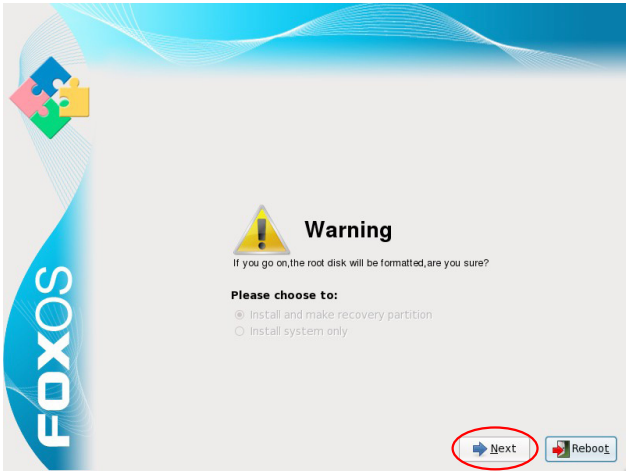
2. System Recovery from the Hard Disk

If FoxOS 3.0 Home was purchased and pre-installed by factory, they should have created a recovery partition in the hard disk. Now we can use the hard disk to recover the system.

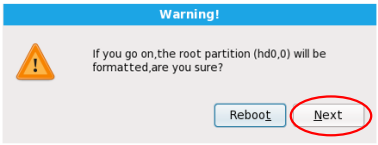
1. Start the system, during the screen prompt, press any key to enter Grub interface. The picture will show as below:


GNU GRUB version 0.97 (638K lower / 530368K upper memory)
FoxOS (2.6.29.1-37.fos.i686)
FoxOS recovery (hd0,0)
Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the
commands before booting, 'a' to modify the kernel arguments
before booting, or 'c' for a command-line.
FOXOS™

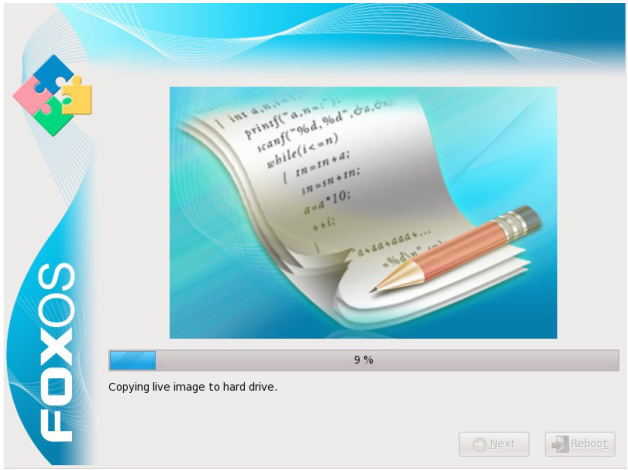
2. Select "FoxOS recovery" item and press "Enter". A warning message will show as below:



3. Click "Next". System warns the root partition(hd0, 0) will be formatted.



4. Click "Next" to format partition(hd0,0) and recover system from hard disk. The picture will show as below:



5. When the installation is complete, click "Reboot" to restart the system.

Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning:

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Caution:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF exposure warning:

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.